

ABSTRACT

The present invention relates to the useful method for the optimum extraction condition of amygdalin from Persicae Semen or Armenicae Semen. Persicae Semen is the herb medicine that contains amygdalin as a major ingredient. It has been generally used as a lubricant or an anti-stasis agent in traditional oriental medicine. Amygdalin in water is decomposed into benzaldehyde, HCN, and glucose by emulsin, a hydrolysis enzyme in Persicae Semen. A useful and practical method for the optimum extraction condition of amygdalin without enzymatic hydrolysis is required.

We can be able to provide the optimum extraction condition for maximum extraction yield of amygdalin from Persicae Semen and extrate amygdalin, not only controlling with the cutting size of Persicae Semen but also using the water which has the temperature of boiling point or the acid containing aqueous solution in order not to be decomposed by emulsin, a hydrolysis enzyme in Persicae Semen.